Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2021-07-14-10 Date: 27/02/2021

ID : "Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."

ject Name : Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.

ncy : BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21

tomer's Reference : 01-02-21

e of Receipt : Compound Wall Coping Concrete

tomer ID : 150X150X150 mm

ple Type /Size : M20 / 28 Days Compressive Strength

ple grade/Age : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

rence to BIS codes : 27/02/2021

e of test

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Compound Wall Coping Concrete	M20	30/01/2021	27/02/2021	151.98 X 151.57 X 151.76	23035	8.148	544.3	23.6	23.1
Compound Wall Coping Concrete	M20	30/01/2021	27/02/2021	149.46 X 151.62 X 150.59	22661	9.056	499.9	22.1	
Compound Wall Coping Concrete	M20	30/01/2021	27/02/2021	150.82 X 150.20 X 149.60	22653	8.867	534.1	23.6	

e results obtained are satisfactory as per standard requirements.

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CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF PHYSICAL REQUIREMENTS OF BRICKS

Lab ID	:	**CP-2021-07-14-10** **Date: 04-01-21**
Project Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
Agency	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
Date of Receipt	:	28-12-20
Identification Mark on Brick	:	SVB
Reference to BIS codes	:	IS 1077 : 1992(RA 2011) Common Burnt Clay Building Bricks-Specification IS 3495 (Part 1 to 3) : 1992(RA 2011) Method of Tests Burnt Clay Building Bricks Part 1:Determination of Compressive Strength, (Cl 4.2.3) Part 2:Determination of Water Absorption,(Cl 4.1.3) Part 3: Determination of Efflorescence, (Cl 4)
Date of test	:	28-12-20

COMPRESSIVE STRENGTH

Sl.No.	Length (mm)	Breadth (mm)	Area (mm^2)	Failure Load (KN)	Compressive strength of individual bricks (N/mm^2)	Acceptablity as per IS 1077:1992, Clause 7.1
1	228.13	109.98	25090	206.7	8.2	The bricks shall have a minimum average compressive strength for various classes as given in Table 1 of IS 1077: 1992. The compressive strength of any individual bricks shall not fall below the minimum compressive strength specified for the corresponding class of brick by more than 15%.
2	228.98	108.62	24872	197.6	7.9	
3	231.01	107.99	24947	201.3	8.1	
4	230.11	107.54	24746	199.5	8.1	
5	228.16	106.98	24409	194.6	8.0	
Average of 5 bricks					**8.1**	

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-07-14-10 Date: 23-12-20

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.7	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.4	
3	Specific Gravity	2.65	–
4	Bulk Density(Loose) (Kg/l)	1.53	–
5	Bulk Density(Compacted) (Kg/l)	1.57	–
6	Water Absorption(%)	0.19	–
7	Aggregate crushing Value(%)	25.6	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.5	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

The results obtained are satisfactory as per standard requirements.

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R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report